

## SIGNAL SAMPLER AND CALIBRATOR

### SSC-70

#### THE SSC-70 PERFORMS TWO FUNCTIONS:

1. The first function is to sample TVRO down-converter IF signals in the 30 to 200 MHz range. Tuning voltage present in the IF coax is passed from the satellite receiver to the downconverter unaltered. The IF signal is sampled and is available on the "SAMPLED IF" F-fitting. The PSA-35 Spectrum Analyzer is connected to this port and the IF signal can be accurately measured and examined.

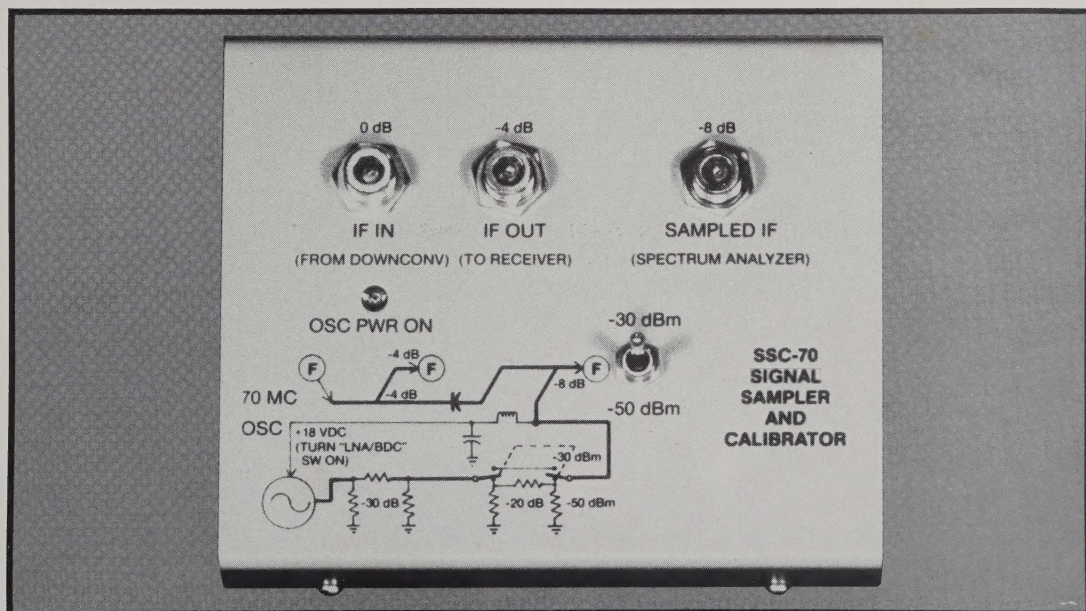
If Terrestrial Interference filters are in the IF coax line, they can be tuned precisely so that video quality is preserved while T.I. is minimized.

2. An internal oscillator operating at 70 MHz, with harmonics at 140 MHz and beyond, provides a quick means of checking amplitude calibration and frequency setting of the PSA-35 Spectrum

Analyzer. Two output signal amplitude settings are available, one at -30 dBm and another at -50 dBm (at 70 MHz). The output level is selected by a front panel switch. The calibration oscillator is powered by the PSA-35 LNA/BDC power through the input connector. A front panel LED indicates when oscillator is on.

#### APPLICATIONS:

- Use for precise alignment of Terrestrial Interference filters in the IF coax of a TVRO system
- Use to measure IF signal level to TVRO receiver at installation to complete AVCOM's SASAR (Spectrum Analyzer System Analysis Report)
- Calibrate frequency and verify amplitude calibration of the PSA-35 Spectrum Analyzer
- Troubleshoot failed TVRO systems between down-converter and receiver quickly and easily
- Low cost - \$175 - Only \$130 when purchased with PSA-35





# TERRESTRIAL INTERFERENCE SURVEY HORN

## TISH-40

AVCOM's Terrestrial Interference Survey Horn, model TISH-40, is designed to be used in conjunction with the PSA-35 Portable Spectrum Analyzer for site surveys. The TISH-40 Terrestrial Interference Survey Horn features 18 dB gain in the 3.7 to 4.2 GHz range of frequencies. It is highly directional with high gain and rugged construction. Terrestrial Interference sources can be pinpointed quickly and accurately to increase the utility of the versatile PSA-35 Portable Spectrum Analyzer. 1/4-20 stainless nuts in the flange make LNA assembly and disassembly quick and easy.

### FEATURES AND APPLICATIONS:

- Highly directional
- High gain
- Low cost - \$127 - Only \$97 when purchased with PSA-35
- Rugged construction
- Enables T.I. source to be pinpointed
- Fast attachment to LNA! 1/4-20 stainless nuts in flange make LNA assembly and disassembly quick and easy
- Increases utility of your PSA-35 Spectrum Analyzer
- Length - 13.25" (33.65 cm)
- Height 8" (20.32 cm)
- Width 6" (15.24 cm)
- Gain - 18 dB

